

Patent Abstracts of Japan

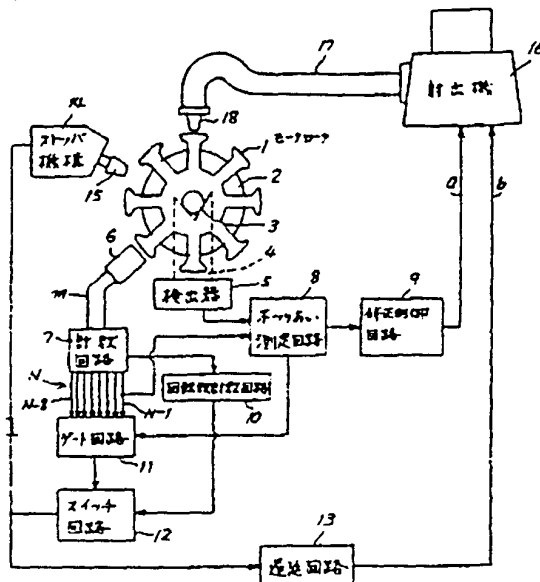
PUBLICATION NUMBER : JP62054137
PUBLICATION DATE : 09-03-87
APPLICATION NUMBER : JP860119771
APPLICATION DATE : 23-05-86

VOL: 11 NO: 243 (P - 603)
AB. DATE : 08-08-1987 PAT: A 62054137
PATENTEE : SHIMADZU CORP
PATENT DATE: 09-03-1987

INVENTOR : YAMAMOTO MASAYUKI; others: 01

INT.CL. : G01M1/32; H02K15/16

TITLE : UNBALANCE CORRECTING DEVICE
FOR BODY OF ROTATION



ABSTRACT : PURPOSE: To make the measurement and correction of unbalance of a body of rotation continuous and to automate both of these by providing a balancing machine, a mechanism to maintain the position to compensate the unbalance and a mechanism to inject thermoplastic resin of the quantity corresponding to that of unbalance.

CONSTITUTION: An unbalance test is performed by a detection signal from a detector 5 and a reference signal N-1 and output of the unbalanced position is inputted to a gate circuit 11. Then, a signal from a counting circuit 7 conforming to the unbalanced position, for instance, a timing signal corresponding to an unbalance signal is outputted only when a signal N-8 is inputted to the circuit 11. Then, the signal N-8 is outputted via a switch circuit 12 and a motor rotor 1 is forcibly stopped actuating a stopper 15 and the correction position of the unbalance is fixed. On the other hand, the output signal from the circuit 12 is inputted to an injection machine 16 via a delay circuit 13 and at the same time, an output corresponding to the quantity of unbalance is inputted to the injection machine 16 from an unbalance measurement circuit 8 via a correction and control circuit 9. Then, the necessary quantity of adhesive is injected to a coil part of the motor rotor and the unbalance is corrected.